

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/007,621D

DATE: 02/04/2003 TIME: 13:47:20

Input Set : A:\EP.txt

Output Set: N:\CRF4\02042003\J007621D.raw

- 3 <110> APPLICANT: Visigen Biotechnologies, Inc.
- 5 <120> TITLE OF INVENTION: Enzymatic Nucleic Acid Synthesis: Compositions and Methods for Altering
 - Monomer Incorporation Fidelity
 - 8 <130> FILE REFERENCE: 00007/02PCT
- C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/007,621D
 - 11 <141> CURRENT FILING DATE: 2001-12-03
 - 13 <150> PRIOR APPLICATION NUMBER: 60/250,764
 - 14 <151> PRIOR FILING DATE: 2000-12-01
 - 16 <160> NUMBER OF SEQ ID NOS: 9
 - 18 <170> SOFTWARE: PatentIn version 3.1
 - 20 <210> SEQ ID NO: 1
 - 21 <211> LENGTH: 7
 - 22 <212> TYPE: DNA
 - 23 <213> ORGANISM: Artificial
 - 25 <220> FEATURE:
- 26 <223> OTHER INFORMATION: The sequences listed here are artifically generated DNA sequences
 - synthesized to rest fidelity of monomer incorporation due to sub .27
 - stitution at the gamma phosphate of the dNTPs. 28
 - 30 <220> FEATURE:
- W--> 31 <221> NAME/KEY: Oligonucleotide
 - 32 <222> LOCATION: (1)..(7)
- 33 <223> OTHER INFORMATION: An example of an oligonucleotide discussed the in the 200 definition
 - section of the application.
 - 37 <400> SEQUENCE: 1
 - 38 atgcctg
 - 41 <210> SEQ ID NO: 2
 - 42 <211> LENGTH: 19
 - 43 <212> TYPE: DNA
 - 44 <213> ORGANISM: Artificial
 - 46 <220> FEATURE:
 - 47 <223> OTHER INFORMATION: This sequence is a primer strand for Taq DNA polymerase.
 - 49 <220> FEATURE:
 - 50 <221> NAME/KEY: primer_bind
 - 51 <222> LOCATION: (1)..(19)
 - 52 <223> OTHER INFORMATION: Primer strand for Tag DNA polymerase
 - 55 <400> SEQUENCE: 2
 - 56 ggtactaagc ggccgcatg
 - 59 <210> SEQ ID NO: 3
 - 60 <211> LENGTH: 20
 - 61 <212> TYPE: DNA
 - 62 <213> ORGANISM: Artificial

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64 <220> FEATURE:

65 <223> OTHER INFORMATION: Template Strand - antisense to the primer strand of sequence wi

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              th the addition of a T residue at the end of the strand designate
     66
              d BOT-T 3'.
     67
     69 <220> FEATURE:
W--> 70 <221> NAME/KEY: Template
     71 <222> LOCATION: (1)..(19)
     72 <223> OTHER INFORMATION: Anti-sense to the primer sequence 2.
     75 <400> SEQUENCE: 3
     76 ccatgattcg ccggcgtact
                                                                                20
     79 <210> SEQ ID NO: 4
     80 <211> LENGTH: 20
     81 <212> TYPE: DNA
     82 <213> ORGANISM: Artificial
     84 <220> FEATURE:
     85 <223> OTHER INFORMATION: Template Strand - antisense to the primer strand of sequence
     86
              th the addition of a C residue at the end of the strand designate
     87
              d BOT-C 3'. /
     89 <220> FEATURE:
W--> 90 <221> NAME/KEY: Template
     91 <222> LOCATION: (1)..(19)
     92 <223> OTHER INFORMATION: Anti-sense to the primer sequence 2.
     95 <400> SEQUENCE: 4
     96 ccatgattcg ccggcgtacc
                                                                                20
     99 <210> SEQ ID NO: 5
     100 <211> LENGTH: 20
     101 <212> TYPE: DNA
     102 <213> ORGANISM: Artificial
     104 <220> FEATURE:
     105 <223> OTHER INFORMATION: Template Strand - antisense to the primer strand of sequence
2 wi
     106
               th the addition of a G residue at the end of the strand designate
     107
               d BOT-G 3'.
     109 <220> FEATURE:
W--> 110 <221> NAME/KEY: Template
     111 <222> LOCATION: (1)..(19)
     112 <223> OTHER INFORMATION: Anti-sense to the primer sequence 2.
     115 <400> SEQUENCE: 5
     116 ccatgattcg ccggcgracg
                                                                                20
     119 <210> SEQ ID NO: 6
     120 <211> LENGTH: 20
     121 <212> TYPE: DNA
     122 <213> ORGANISM: Artificial
     124 <220> FEATURE:
     125 <223> OTHER INFORMATION: Template Strand - antisense to the primer strand of sequence
2 wi
     126
               th the addition of a A residue at the end of the strand designate
     127
               d BOT-A 3'.
     129 <220> FEATURE:
W--> 130 <221> NAME/KEY: Template
     131 <222> LOCATION: (1)..(19)
     132 <223> OTHER INFORMATION: Anti-sense to the primer sequence 2.
     135 <400> SEQUENCE: 6
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136 ccatgattcg ccggcgtaca 20 139 <210> SEQ ID NO: 7 140 <211> LENGTH: 23 141 <212> TYPE: DNA 142 <213> ORGANISM: Artificial 144 <220> FEATURE: 145 <223> OTHER INFORMATION: Template Strand - antisense to the primer strand of sequence 2 wi th the addition of a TAG residues at the end of the strand design 146 147 ated BOT-Sau 3'. 149 <220> FEATURE: W--> 150 <221> NAME/KEY: Template - 151 <222> LOCATION: (1)..(19) 152 <223> OTHER INFORMATION: Anti-sense to the primer sequence 2. 155 <400> SEQUENCE: 7 . 23 156 ccatgattcg ccggcgtacc tag 159 <210> SEQ ID NO: 8 · · 160 <211> LENGTH: 21 161 <212> TYPE: DNA 162 <213> ORGANISM: Artificial 164 <220> FEATURE: 165 <223> OTHER INFORMATION: Template Strand - antisense to the primer strand of sequence 2 wi th the addition of a TC residues at the end of the strand designa .166 167 ted BOT-TC 3'. 169 <220> FEATURE: W--> 170 <221> NAME/KEY: Template 171 <222> LOCATION: (1)..(19) 172 <223> OTHER INFORMATION: Anti-sense to the primer sequence 2. 175 <400> SEQUENCE: 8 21 176 ccatgattcg ccggcgtact c 179 <210> SEQ ID NO: 9 180 <211> LENGTH: 23 181 <212> TYPE: DNA 182 <213> ORGANISM: Artificial 184 <220> FEATURE: 185 <223> OTHER INFORMATION: Template Strand - antisense to the primer strand of sequence 2 wi th the addition of a TTTC residues at the end of the strand desig 186 187 nated BOT-3TC 3'. 189 <220> FEATURE: W--> 190 <221> NAME/KEY: Template 191 <222> LOCATION: (1)..(19) 192 <223> OTHER INFORMATION: Anti-sense to the primer sequence 2.

195 <400> SEQUENCE: 9

196 ccatgattcg ccggcgtact ttc

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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/007,621D

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9

VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number L:31 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1 L:70 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3 L:90 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4 L:110 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5 L:130 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6 L:150 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7 L:170 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8 L:190 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9